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Navy Tr 1631/OSI-127
AEC T-44[illegible]

Sci - Nuclear Physics
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*JPRS for Army Rocket and Guded Missile A Agency

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ACSIL Tr 1109

Sci - Phys

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NASA TT F-8359

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CS IRO/ND 5216

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OLR 62-14013

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Dept of Navy 5103
APL/JHU T-1961

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On the Electronic Structure of the Transition Metals, Their Alloys and the Heavy Metals, by J. Friedel, 23 pp.

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AEC tr 3809

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Sci - Met & Met

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AEC NP-Tr-481

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AEC-tr-5726

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Multiple Coherent Scattering of Optical Resonance Radiation Applied to the $6\,^3P_1$ Level of Mercury. Part 1: Theory, by J. P. Barrat, 23 pp.

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R-T-F-63-1

Sci - Phys
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Transition Between Metallic and Insulating States for an Electron Gas. Application to Impurity Bands and to Anti-ferromagnets, by Jacques des Cloizeaux.
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Study of Transitions Between Metallic and Insulating States. Application to Impurity Bands and to Anti-ferromagnets, II, by Jacques des Cloizeaux.
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Production of Tritium in Thorium by 135 Mev Protons, by M. Lefort, G. Simonoff, X. Tarrago, 7 pp.

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AEC Tr-4602

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Robin, Jean.
EFFECT OF PRESSURE ON SOME SEMICONDUCTOR PROPERTIES. [1962] 19p. (figs. refs. tables omitted).
Order from SLA $1.60 62-16558

Trans. of J[ournal de] Phys[ique et le] Radium (France) 1960, v. 21 [no. 2] p. 130-140.

DESCRIPTORS: *Semiconductors, Germanium, Silicon, Tellurium, *Crystal structure, Pressure, Resistance.

After an elementary survey of some characteristic properties, we summarize the principle work of various authors on the influence of pressure on intrinsic resistivity of different semiconductors. This effect is primarily indicated by a variation in the value E_g of the forbidden band with pressure. We then give a sketch of two other methods of determin-
(Physics--Solid State, TT, v. 8, no. 9) (over)

62-16558

I. Robin, J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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Measurement of High Electric Resistance
With Ionization Chamber as Current Source,
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FRENCH, per, J. Phys Radium, Vol XXI, No 3,
Supp 52A-56A, 1960.
NASA TT F-8786

Sci-Phys
Jun 66 302,057
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Penrod, E. B. and Ho, Cho-yen.
MATHEMATICAL THEORY OF A PELTIER REFRIGERATOR AND A THERMOELECTRIC GENERATOR. [1960] 70p.
Order from ATS $31.10 ATS-67M47F

Trans. of [Journal de] Physique et le] Radium (France) 1960, v. 21, no. 7, suppl., p. 97A-111A.

ATS--36 1-FJ

151573

(Engineering--Electrical, TT, v. 5, no. 8)

61-12799

1. Generators--Mathematical analysis
2. Refrigeration systems--Mathematical analysis
3. Title: Thermoelectric generators
4. Title: Peltier refrigerator
I. Penrod, E. B.
II. Ho, Cho-yen
III. ATS-67M47F
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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Berge, Pierre and Blanc, Georges.
ADIABATIQUE CALORIMETER. [1961] 7p. (11 figs. omitted).
Order from SLA $1.10 62-10114

I. Berge, P.
II. Blanc, G.

Trans. of [Journal de Physique et le Radium] (France) 1960, v. 21, no. 7, suppl. p. 129A-133A.

DESCRIPTORS: *Calorimeters, Specific heat, Determination, *Heat transfer.

The apparatus described permits the specific heats and their anomalies, between -190°C and 500°C to be reasonably measured. In this range the accuracy is limited by the watt meter. (Author)

(Physics--Thermodynamics, TT, v. 7, no. 9)

Office of Technical Services

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Measurements of the Thickness of Thin Films during their Formation in Vacuum, by J. C. Brugere.
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pp 3A-22?A
INSDOC/Ref T 5038

Sci -
Aug 61 335,125

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Wang, T. C.
INFLUENCE OF FLUCTUATIONS IN THE NUMBER OF MOLECULES UPON THE FREQUENCY OF A MOLECULAR BEAM TYPE MASER OSCILLATOR [Influence des Fluctuations du Nombre des Molecules sur la Frequence d'un Maser Oscillator a Faisceau Moleculaire] tr. by Pablo Guzman Rujas. 4 Aug 60, 5p. 4 refs.
Order from OTS or SLA $1.10 62-25264

Trans. of [Journal de Physique et le Radium (France) 1960, v. 21, Apr, p. 261-263].

DESCRIPTORS: *Masers, *Microwave oscillators, *Molecular beams, Frequency, Molecules, Equations.

(Physics--Electronics, TT, v. 9, no. 6)

62-25264

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6-20-62
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(p,xn) Reactions Induced in Gold by 155 MeV Protons, by M. Poffe, G. Albouy, R. Bernas, M. Gusakow, M. Riou, J. Teillac, 5 pp.

FRENCH, per, Le Journal de Physique et le Radium, Vol XXI, 1960, p 343. 9079627

AEC Tr-4662

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The Determination of the Directionoof Arrival and the Polarization of Atmospheric Whistlers. Part II. The Results, by J. Delloue
EUROPEAN, per, Journal de Physique (et le Radium)
Vol 21, 1960, pp 587-599
NTC 71-16374-20K

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Variation of Photomultiplier Gain as a Function of Pulse Rate, by R. Chery, 5 pp.

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Sci - Phys
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Vincent-Geisse, J. and Lecomte, J.
MEASUREMENT OF REFRACTIVE INDICES IN THE INFRARED. [1961] 22p. 88 refs.
Order from SLA $2.60 61-20825

Trans. of Journal de Physique et le Radium (France) 1960, v. 21, no. 11, p. 794-800.

DESCRIPTORS: Infrared research, *Infrared spectroscopy, Refractometers, *Refractive index, Measurement.

There have been numerous measurements of indices of refraction in the infrared in recent years. After pointing out the importance of them in various fields, we describe the methods employed, stressing the most recent ones, and we append a bibliography of recent publications dealing with this problem. (Author)

(Physics--Spectroscopy, TT, v. 7, no. 3)

61-20825

I. Vincent-Geisse, J.
II. Lecomte, J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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Probability of Ionization by the Transfer of the Energy of Excited Atoms to Molecules, by E. L. Plakman, 17 pp.
FREDCH. per. Journal de Physique et la Radium, Vol XXI, 1960, pp 855-858.
ARC-USCEL-Tr-1061(L)

Sci-Phys
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Optical Constants and Structure of Thin Films,
by P. Bousquet, P. Rouard.

FRENCH, per, Le Journal de Physique et le Radium, Vol XXI, No 12, 1960, pp 873-892.

ERDL, Ft Belvoir
T-1435

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Sci - Engr
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A Study of the Crystallization of Selenium,
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FRENCH, per, J. Phys Rad, Vol 22, No 2, 1961,
pp 17A-26A
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Excitons in Crystals of the Wurzite Type, by
M. Balkanski, J. des Cloizeaux, 37 pp.
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AEC UCRL Tr-1308(L)

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Sci - Physics
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The Theory of Photoexcitation in Solids, by A. Meessen, 23 pp.
FRENCH, per, Journal de Physique et le Radium, No 22, 1961, pp 135-141. 9226787
AEC-UCRL-Tr-1121

Sci-Phys
Feb 65

273,208

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Millard, Jacques.
REGULATED CURRENT SUPPLY FOR ELECTRONIC FLASHES. [1962] 6p.
Order from SLA $1.10 62-18912

Trans. of Journal de Physique et le Radium (France) 1961, v. 22, no. 6, p. 139A-140A.

DESCRIPTORS: Electronic equipment, Capacitors, *Current regulators.

(Engineering--Electronic, TT, v. 10, no. 6)

62-18912

1. Title: Electronic flashes
I. Millard, J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Theory of the Photoelectric Effect in Metals,
by A. Meessen, 45 pp.
FRENCH, per, Journal de Physique et le Radium,
No 22, 1961, pp 308-320. 9226614
AEC-UCRL-Tr-1120 (L)

Sci-Phys; Mat & Met
Jan 65

271,815

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

The Fundamental Photoelectric Effect in Semiconductors, by A. Meessen, 28 pp.
FRENCH, per, Le Journal de Physique et le Radium, Vol XXII, 1961, pp 472-480. 9226674
AEC-UCRL-Tr-10155

Sci-Phys
Feb 65

273,188

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

First Excited Levels of Platinum 190, by Jerzy Jastrzebski, Pierrette Kilcher, 9 pp.

FRENCH, per, Jour Phys Radium, Vol XXII, Aug-Sep 1961, pp 525-527.

AEC Tr-4651

Sci
Oct 61 - Jan 62
List 59 and memo 23 Jan 62

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Protons, Deuterons, Tritons, and
Nuclei of He Emitted by 197 Au Under
the Action of 154-Mev Protons, by
Jeannine Genin, Pierre Radvanyi, et al.
FRENCH, per, Le Journal de Physique
et le Radium, Vol XXII, 1961, pp 616-617.
AEC ORNL-tr 1067 4232715
EDC Feb 13, 1966

Sci-Phys
jna 66

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

On Energy Conversion by Ionized Vapor Jet, by H. Surdin.
FRENCH, per, Le Journal de Physique et le Radium, Vol XXIII, No V, pp 297-298, 1962 9229923
AEC BNC-Tr-9

Sci-Phys
oct 55 290,075

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Klein, Siegfried and Prévé, Jacques.
CONCERNING A PROCESS OF CONVERSION OF IONIZING ENERGY INTO ELECTRICITY. [1963] 5p (figs omitted) 6refs
Order from SLA $1.10 TT-63-20922

Trans. of Jour[nal] de Physique et [le] Radium (France) 1962, v. 23, no. 8/9, p. 588-589.

TT-63-20922

I. Klein, S.
II. Prévé, J.

(Nuclear Physics--Nuclear Engineering, TT, v. 11,

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Fortini, Andre and Bourgeois, Alain le.
MEASUREMENT OF HALL MOBILITY BY THE CORBINO DISC METHOD (Measure de la Mobilité de Hall par la Méthode du Disque de Corbino). [1963] 7p 3refs
Order from SLA $1.10 TT-64-10385

Trans. of [Journal] de Phys[ique] et le Radium (France) 1962, v. 23, no. 12, suppl. p. 163A-165A. (Abstract available)

DESCRIPTORS: *Semiconductors, *Germanium, Single crystals, *Hall effect, Geometric forms, Disks,

A new method for the measurement of Hall mobilities using the Corbino disc is described, analysed, and tested with a germanium crystal. (Author)

(Physics--Solid State, TT, v. 11, no. 9)

TT-64-10385

1. Title: Corbino disc method
I. Fortini, A.
II. Bourgeois, A. le

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Contribution to the Study of the Indirect Double Pick-Up Measure for the Production of Tritium o Protons of 82 and 105 MeV in Different Targets, J. Brun, Colette, et al.

FRENCH, per, Journal Physique et le Rad, Vol XXIII, 1962, pp 167-172.

*AEC

Sci - Nucl Sci

Nov 63

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

63-14012

Connes, Pierre, Duong Hong Tunn and Pinard, Jacques. SEPARATION OF SPECTRAL LINES BY HIGH FREQUENCY MODULATION. [1963] 38p. 16 refs. Order from SLA $3.60 63-14012

Trans. of [Journal] de Physique et le Radium (France) 1962, v. 23, no. 5, p. 173-181.

DESCRIPTORS: *Line spectrum, Separation, *Phase modulation, High frequency, Sidebands, *Interferometers, Continuous spectrum.

In order to illustrate the phenomenon of "artificial lines" by the use of a multiple reflection interferometer (which may be regarded as a multiresonant cavity) illuminated by a continuous spectrum, these lines are separated into sidebands through high frequency modulation with a Kerr cell; the resulting spectrum is then scanned by a second interferometer. Phase modulation, suppressed carrier modulation, amplitude modulation, and single sideband modulation are discussed.

I. Connes, P.
II. Duong Hong Tuan
III. Pinard, J.

(Physics--Spectroscopy, TT, v. 10, no. 2)
Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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Electrostatic Energy of Ionic Lattices, by Felix Bertaut, 20 pp. FRENCH, per, Journal Physique et Radium, VoDXIII, 1962, pp 499-505.

AEC-AI-Tr-14

Sci - NS
Feb 64

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

The Electronic Structure and Magnetic Properties of Transition Metals and Alloys, by J. Friedel, 21 pp. FRENCH, per, Journal de Physique et le Radium, Vol XXIII, No 8, 9, 1962, pp 501-510. 9221917
AEC-AI-Tr-365

Sci-Phys
May 64

257,483

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

A Process for Conversion of Ionizing Energy Into Electricity, by Siegfried Klein, Jacques Preve.
FRENCH, per, Le Journal de Physique et a le Radium, Vol XXIII, Nos 8/9, pp 588-589, Aug-Sep 1962. 9230426
AEC - BNL-Tr-8

Sci-Elect
Dec 65 293,347
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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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Contribution to the Study of the Structure of Dilute Solutions of Cobalt in Copper, by R. Tournier, J. J. Veyssie, et al, 11 pp.
FRENCH, per, Journal de Physik et Radium, x Vol XXXIII 1962, pp 672-676. 92.22206
AEC-AI-Tr-[redacted] 33

Sci-Nucl Sci
Mar 64

252,839

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Concept of Virtual Bound Levels, by J. Friedel, 21 pp.
FRENCH, per, Journal de Physique et le Radium, Vol XXIII,
No 10, 1962, pp 692-700. 9219320

AEC-AI-Tr-64-1

Sci-Phys
Mar 64

251,212

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

A New Order-Disorder Transition in Fe-Ni(50-50%), by
J. Pauleve.
FRENCH, per, J. de Physique et le Radium, Vol 23, 1962,
pp 841-843.
*NTIS/NBS TT 71-53091
Available NBS Only

June 71

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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Thermoluminescence and Waning of Luminescence of Magnesium Fluorogermanate, by J. Janin, G. Josseron, et al.
FRENCH, per, Journal de Physique et le Radium, Vol XXIV, 1963, pp 84-86.
TC-157

Sci-
Sept 66

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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Polarization Waves in Solids, by A. Kahane.
FRENCH, per, Journal de Physique et le Radium,
Vol 24, No 6, 1963, pp 394-404.
NTC-71-12224-20C

Nov 71

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

On the Problems of a Correct and Accurate Determination of the Optical Constants of Evaporated Metal Films, by H. Mayer.
GOVERNMENT USE ONLY
FRENCH, per, J. Phys Radium, Vol 25, No 1/2, 1964, pp 81-87.
NASA TT F-12,264

Sci-Phys
Aug 69 388,729

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Experimental Investigation of the Convection Currents in a Liquid Sheet, by Henri Benard, 10 pp.
FRENCH, per, Journal de Physique Theorique et Appliquees, Ser 3, Vol IX, 1900, pp 513-524. 9700707
Dept of Navy Tr 4702/ONI 2177

Sci-Phys
Jun 66 302,072

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Reversible Prints with Depth Representation, by M. G. Lippmann.
FRENCH Paper, Journal de Physique Theorique et Applique, Series 4, Vol. 7, 1908, pp. 821-5.
NTC 69-10606-14E

Sci-Methods
July 69 386,564

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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The Physico-Chemical Conditions of Cutaneous Absorption,
FRENCH, per, Journal de Physiologie, No 46, 1954, pp 31-49.
*ACSI J-2646
ID 2204024067

Sci-Phys
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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

The Characterization of Microgel and Branched Molecules in "High Pressure" Polyethylene, by L. Nicolas,

FRENCH, per, J Polymer Sci, Vol XXIX, 1958, pp 191-217.

ATS 145-FJ

Sci
Nov 59

100,408

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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The Structure of Polyethylene Considered as a Mixture of n-Paraffins, by M. G. Gubler, A. J. Kovacs, 15 pp.

FRENCH, per, J Polymer Sci, Vol XXXIV, 1959, pp 551-568.

ATS 142-FJ
ATS 03L31F

Sci
Nov 59

100,407

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

The Utilization of Concentrated Solutions of Polyvinyl Pyrrolidone as Delayed Action Vehicles, by Pierre Durel, 45pp
FRENCH, Journal, Journal des Practiciens,
SLA TT-64-16396

Sci - Biol
June 67

328,837

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Some New Compounds of Silicon Fluoride,
by W. Knop.
GERMAN, per, Journal fur Praktische Chemie,
1858, pp 41-62.
SLA TT 64-20475

May 67 325,024

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Reaction Ethyl Chlorocarbonate with Sodium Cyanamide, by Paul Baumler,

GERMAN, por, J. Prakt Chem, Vol II, No 10, 1877, pp [illegible] 125-129.

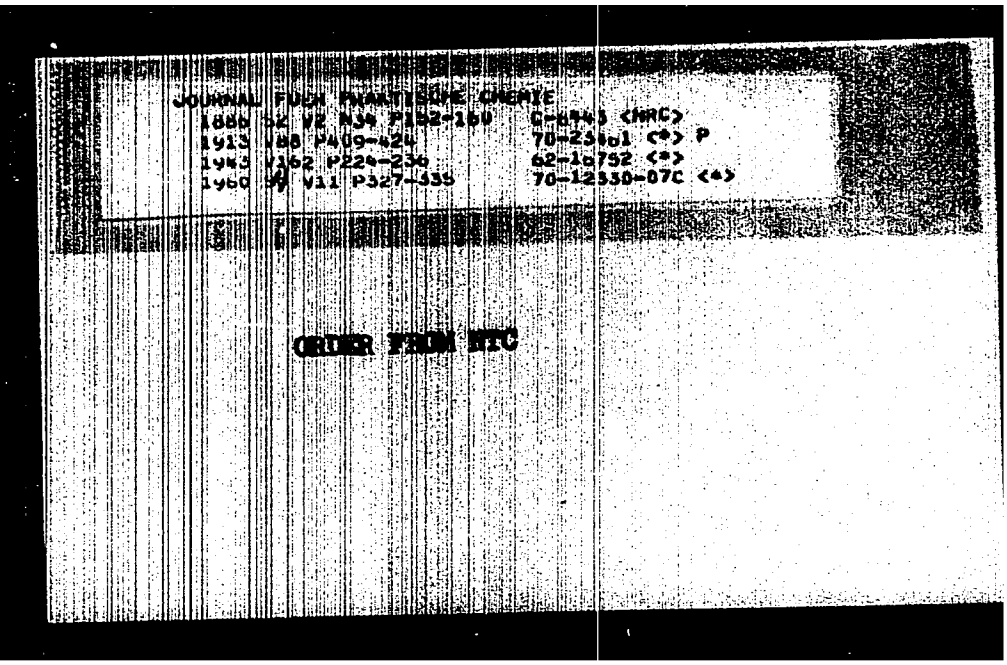
O.I.A. Tr 699/1956

37, 4/12

Sol - Chemistry
Oct 56 CFS

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1



APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Claus, A. and Runschke, G.
65. ORIENTATION OF (4--6) DICHLOR-M-XYLENE RESULTING FROM DIRECT CHLORINATION, AND OF SOME DERIVATIVES THEREOF. [1963] 10p. (refs. omitted) 4 refs.
Order from SLA $1.10 TT-63-14159

Trans. of J[ournal fur] Praktische Chem[ie] (Germany) 1890, v. 42, no. 2, p. 110-126.

DESCRIPTORS: *Xylenes, Chlorination, Chlorides, Molecular structure.

(Chemistry--Organic, TT, v. 11, no. 2)

TT-63-14159

I. Title: 4, 6-Dichloro-m-xylene
I. Claus, A.
II. Runschke, G.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Claus, A. and Burstert, H.
CHLORINATION PRODUCTS. LXI. CHLORINATION SUBSTITUTION PRODUCTS OF METAXYLENE. [1962] 11p [refs omitted]
Order from SLA $1.60 TT-63-14158

Trans. of J[ournal für] Prakt[ische] Chemie (Germany) 1890, v. 44, no. 2, p. 552-563.

DESCRIPTORS: *Xylenes, Chlorination, Chlorides, Barium compounds, Substitution reactions,

(Chemistry--Organic, TT, v. 11, no. 3)

TT-63-14158

I. Claus, A.
II. Burstert, H.
III. Title: Chlorination substitution...
IV. Freiburg U. (West Germany)

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Investigations From the A. Weddige Laboratory. VII. Contributions to the Preparation and Knowledge of Polymeric DI- And Trichlor-Acetonitril, by N. Tscherven-Iwanoff, 17 pp. GERMAN, per, J Prakt Chem, Vol XLVI, 1892, pp 142-151.
AEC-SC-T-64-1631 AD 442

Sci - Phys
Aug 65

287,328

AL 3
TT-64-1022

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Curtius, T. and Clemm, H.
SYNTHESIS OF 1, 3-DIAMINOPROPANE AND 1, 6-DIAMINOHEXANE FROM GLUTARIC ACID AND SUBERIC ACID, RESPECTIVELY. [1963] 20p
Order from ATS $17.85 ATS-84Q71G

Trans. of J[ournal fur] Prakt[ische] Chem[ie] (Germany) 1900, v. 62, no. 2, p. 189-211.

DESCRIPTORS: *Amines, *Propanes, *Hexanes, Synthesis (Chemistry), *Glutaric acids, Dibasic acids.

(Chemistry--Organic, TT, v. 11, no. 2)

TT-63-22947

I. Title: Suberic acid
I. Curtius, T.
II. Clemm, H.
III. ATS-84Q71G
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Dubsky, J. V.
THE AFFINITY SATURATION OF PRINCIPAL AND SECONDARY VALENCES IN COMPOUNDS OF HIGHER ORDER, PT. II. [1963] 17p 9refs
Order from SLA $1.60 63-18556

Trans. of J[ournal für] Prakt[ische] Chem[ie] (Germany) 1916, v. 93, p. 142-61.

DESCRIPTORS: *Complex compounds, Valence, *Copper compounds, *Nickel compounds, *Zinc compounds, *Mercury compounds, Iron compounds, *Iron compounds, *Cobalt compounds, *Chromium compounds, *Bismuth compounds, *Lead compounds, Methyl radicals, Ethyl radicals, *Xanthic acids, *Pyridines, *Ammonia, Addition reactions, *Aluminum compounds, *Sulfonic acids.

(Chemistry--Organic, TT, v. 10, no. 12)

63-18556

I. Dubsky, J. V.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Pyrolytic Condensation of Members of the Pyridine Series, by H. Meyer, A. H. Meyer.

GERMANY, per, J Prakt Chem, Vol CII, 1921, pp 278.

Dept of Int,
Bur of Mines,
Lignite Exper Sta,
Grand Forks, N Dakota.

Sci - Chem
Nov 58

76.649

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

The Solubility of Magnesium Carbonate in Water Containing Carbonic Acid at Higher Carbon Dioxide Pressures and the Properties of Such Magnesium Bi-Carbonate Solutions, by Otto Haehnel, 11pp GERMAN, per, Journal fur Praktische Chemie, Vol 108, 1924, No 2, pp 161-74
TC-376

Sci - Chem
June 67

328,953

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Contribution ot eht Knowledge of Burnished Gold, by F. Chemnitius.

GERMAN, per, J Prakt Chem, Vol CXVII, 1927, pp 245-261.

IRSDOC-T2075

Sci
Aug 58

94, 546

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Salt Formation from 1,3-Diketones. Second Report, by C. Weygand
GERMAN, per, J. Prakt. Chem, Vol 116, No 2, 1927, pp 292-306.
NEW MIH
11-4-68

Sci-EEM
Feb 69

369,541

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Organosilicon Compounds, 1.
Phenyl Esters of Silicic Acid, by
Heinrich Jorg, Josef Stetter. GOVERNMENT USE ONLY
GERMAN, per, Journal fur Praktische
Chemie, Vol CXVII, No 2, 1927,
pp 305-310. P200108266
USIC-694

Sci-Chem
Jun 67 316,511

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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Sulphide-Sulphate Reaction, by M. Trautz, S Pakeshwar.
GERMAN, per, Journal Prakt Chem, Vol 122, 1929, pp 147-181.
CSIRO/No 9702

Sci-Chem
Sept 69

392,783

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

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The Action of Ultraviolet Radiation of Pyridine. Part 1. A New Means of Detecting Some Primary Aromatic Amines and Pyridine, by H. Freytag, W. Neudert, 14 pp.

GERMAN, per, J. Prakt Chem, Vol CXXXV, No 1-2, 1932, pp 15-35.

AFB-12MAY60

Sci

Aug 59

95,079

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Metz, L.
SAFE PREPARATION OF DICHLOROACETYLENE AS A CLASS EXPERIMENT. [1963] 4p Srefs.
Order from SLA $1.10 TT-63-18114

Trans. of Journal für Praktische Chemie (Germany) 1932, v. 135, p. 142-144.

DESCRIPTORS: *Acetylenes, *Chlorides, Synthesis (Chemistry), *Ignition.

(Chemistry--Organic, TT, v. 11, no. 3)

TT-63-18114

1. Title: Dichloroacetylene
I. Metz, L.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Constitution and Reactivity. Part XIII. The Sulfonation of Toluene and the Orienting Effect of the Methyl Group, by K. Lauer, R. Oda, 3 PP.

GERMAN, per, J Prakt Chem, Vol CXLIII, 1935.

Assoc Tech Serv 72J15G

Sci-Chem
Aug 58

71,542

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Constitution and Reactivity. Part XII. The Nirtation and Sulfonation of Aromatic Compounds, by K. Lauer, 8 pp.

GERMAN, per, J Prakt Chem, Vol CXLIII, pp 127-138, 1935.

Assoc Tech Serv 7HJ15G

Sci - Chem
Aug 58

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Mechanism of Hardening Phenol-Aldehyde Resins, by Johannes Scheiber, Rudolf Barthel, 8 pp.

GERMAN, per, J fuer Praktische Chem, Vol CXLVII, No 1/5, 1936, pp 99-109.

SLA 60-10432

Sci

Jun 60

118,330

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

R-4209-D/a
Chemiluminescence Cyclic Hydrazide, by
Richard Wegler.

GERMAN, per, Juornal fur Praktische Chemie,
Vol CXLVIII, No 4-6, 1937, pp 135-150.

*JPRS/Army Biol Lab

Sci-Chem
July 64

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

A Spatial-Energy Cause for Complex Formations,
by G. Beck, 10 pp.

GERMAN, per, Journal fuer Praktische Chemie,
Vol CLVI, No 7/8, 1940, pp 221-240.

SLA 60-10596

119,053

Sci
Jan 60
Vol III, No 5

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200890017-1

Schulz, G. V. and Loehmann, H. J.
THE KINETICS OF THE HYDROLYTIC DECOMPOSITION OF CELLULOSE. Rept. 261 on the Macromolecular Compounds. [1963] 81p. 58 refs.
Order from SLA $8.10 63-14160

Trans. of Journal für Praktische Chemie (Germany) 1941, v. 157, p. 238-282.
A partial trans. (p. 246-248, 258-259, 262-264) is available from SLA $1.10 as 63-10214 [2 Dec 60] 10p.

DESCRIPTORS: *Cellulose, Decomposition, Hydrolysis, Stereochemistry, Molecular structure, Phosphoric acids, *Cellulose acetates, *Reaction kinetics.

(Materials--Plastics, TT, v. 10, no. 2)

63-14160

I. Title: Macromolecular chemistry
I. Schulz, G. V.
II. Loehmann, H. J.
III. Title: Macromolecular ...

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Schulz, G. V. and Loehmann, H. J.
ON THE KINETICS OF HYDROLYTIC DECOMPOSITION OF CELLULOSE: PTS. 2, 4A, 4C. Rept. 261 on Macromolecular Compounds. [2 Dec 60] 10p. 7 refs.
Order from SLA $1.10 63-10214

Trans. of [Journal für] Prakt[ische] Chem[ie] (Germany) 1941, v. 157, p. 246-248, 258-259, 262-264.

DESCRIPTORS: Dynamics, *Hydrolysis, Decomposition, *Cellulose, Polymerization, Phosphoric acids, Solutions.

Contents:
Mathematical relations
Determination of the degree of polymerization of celluloses in phosphoric acid solution
Determination of the K_m constant of cellulose in phosphoric acid solution.

(Chemistry--Organic, TT, v. 10, no. 2)

63-10214

I. Schulz, G. V.
II. Loehmann, H. J.
III. Title: Macromolecular ...

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Hultzsch, K.
STUDIES IN THE FIELD OF PHENOLFORMALDEHYDE RESINS. I. THE REACTION OF PHENOL ALCOHOLS WITH UNSATURATED SUBSTANCES. [1963] 21p
(refs omitted)
Order from SLA $2.60 TT-63-20477

Trans. of J[ournal fur] Praktische Chemie (Germany) 1941, v. 158, no. 2, p. 275-294.

DESCRIPTORS: *Phenol-formaldehyde resins, *Phenols, *Phenolic plastics, Chemical reactions, Organic acids.

(Materials--Plastics, TT, v. 11, no. 2)

TT-63-20477

I. Hultzsch, K.
II. Title: Reaction ...

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Kern, Werner and Brenneisen, Erich.
HETEROPOLAR COLLOIDAL MOLECULES. III. POLYMERIC AMINES AS MODELS FOR PROTEINS. [Aug 63] [25p] 65refs
Order from SLA $2.60 TT-64-10515

Trans. of J[ournal für] Prakt[ische] Chem[ie] (Germany) 1941, v. 159, no. 8/10, p. 194-217.

DESCRIPTORS: *Colloids, *Polymers, *Amines, Proteins, *Molecular structure, *Ethylenimines, Polymerization, Condensation reactions,

(Chemistry--Organic, TT, v. 11, no. 8)

TT-64-10515

I. Kern, W.
II. Brenneisen, E.
III. Title: Polymeric...

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